

### ABSTRACT

The present invention relates to an electric power steering apparatus for assisting steering of a steering shaft by the rotation power of an electric motor through a reducer based on the steering torque detected by a torque sensor. A rotary potentiometer is disposed in the reducer, and a portion of a swing arm of the potentiometer is engaged with a swirl groove formed on the side of a worm wheel in the reducer as well as the swing arm is swingingly rotated according to the rotation of the worm wheel to thereby detect the rotation angle of the steering shaft.